

REMARKS

Claims 1-12 remain in the subject application. By the present Amendment Applicant has cancelled claims 1-12 and substituted claims 13-21 therefor, and amended the specification to overcome objections raised by the Examiner.

In response to the suggestion of the Examiner the title of the subject invention has been amended in accordance with the Examiner's suggestion.

In response to the Examiner's objection in paragraph 1 of the present Office Action applicant has submitted copies of Figure 1 with proposed drawing changes shown for the Examiner's approval.

Applicant has amended page 10 of the specification to overcome objections raised by the Examiner in paragraph's 2 and 3 of the present Office Action.

In paragraph 4 of the present Office Action the Examiner has rejected claims 2-8 under 35 USC Section 112, second paragraph, as being indefinite. With the cancellation of claims 1-12 this rejection is now believed to be moot.

In paragraph 10 of the present Office Action the Examiner has rejected claim 11 under 35 USC Section 102(b) as anticipated by Tsuda. In paragraph 12 the Examiner has rejected claims 1-8, 11, and 12 under 35 USC 103 as unpatentable over Izawa in view of Yoshimura. And, in paragraph 17, the Examiner has rejected claims 9 and 10 under 35 USC Section 103 as unpatentable over Izawa in view of paradise.

In response to these rejections Applicant has cancelled claims 1-12 without prejudice and substituted claims 13 for 19 therefor. Claim 13 now recites a printing apparatus

which includes first means for input of image signals, second means for input of fax signals, means selectively responsive to the image signals and the fax signals for respectively printing the image or a facsimile, where the printing means include means for selectively scanning a laser beam at either a first rate corresponding to the resolution of the image signals or at a second rate corresponding to the resolution of the fax signals, means for detecting input of the fax signals, and means responsive to detection of the fax signals for selecting the printing means to operate in a facsimile printing means. The apparatus of claim 1 is further limited by the recitation of means for determining characteristics of the fax signals and means responsive to the determining means for further adjusting performance of the printing means in the facsimile printing mode.

Applicant respectfully submits that there is no suggestion in any of the references cited for such means for determining characteristics of the facsimile or means responsive to the determining means for further adjusting performance of the printing means.

Support for claim 13 is found in Figure 2 with respect to elements 102-116, and the specification beginning with the paragraph bridging pages 14 and 15 and continuing through the paragraph bridging pages 16 and 17.

Claim 14 adds the further limitation that the first input means and second input means each include means for disabling the other when a signal is received.

Claim 15 adds the further limitation that the determining means includes means for analyzing the signal to determine characteristics of the fax signal. Support for this limitation is found in Figure 2, elements 109 and 110, and in the specification at page 15, line 23 through page 16 line 2.

Claim 16 further limits claim 15 by reciting that the characteristics determined include representation of a half-tone facsimile, and that the adjusting means responds to that determination to reduce the spot size of the laser beam. Support for this limitation is found in Figure 2, eliminates 110 and 112, and in the specification, page 15, line 20 through page 16, line 2.

Claim 17 further limits claim 13 by the limitation that the determining means includes means for input by an operator of signals identifying the characteristics of the fax signals. Support for this limitation is found in the specification at page 15, line 21 through page 16, line 5.

Claim 18 repeats the limitations of claim 16 depending from claim 17.

Claim 19 further limits claim 13 by the limitation that the characteristics include representation of a coarse image, and wherein the adjusting means responds to determination of a coarse image by causing the printing means to print each line of the fax signal as two lines of the facsimile.

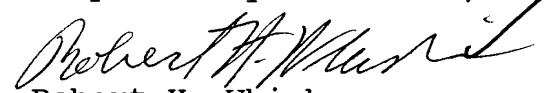
Claim 20 further limits claim 19 by reciting that each line of the fax signal is repeated as two successive lines of the facsimile, and claim 21 further limits claim 19 by reciting that the spot of the laser beam is transformed to an elliptical shape covering two successive lines of the facsimile.

Support for claims 19-21 maybe found in the specification on page 15, lines 7-20.

Applicant respectfully submits that none of the elements of claims 14-21 which further limit claim 13 are taught in any of the references applied or cited.

In view of the above remarks Applicant respectfully submits that all claims are in condition for allowance. Further examination and reconsideration are requested and an early allowance of all claims is respectfully solicited.

Respectfully submitted,


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I hereby certify that this Amendment, Set of Drawing, Transmittal Letter, Information Disclosure Statement and Petition and Extension of Time (along with any paper referred to as being attached or enclosed), is being deposited with the United States Postal Service on the date shown below, with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 6/14/91.
(Date of Deposit)

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Renee Wilcox
Signature Date
6/14/91

APPROVED

6-25-91

PAPER
SUPPLY

Best Available Copy
IMAGE TRANSFER
SYSTEM

part of paper
#12

15

Photoconductive
Drum

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13

Laser
Diode

Polygon

12

Motor

PLL
CONTROLLER

40

FREQUENCY
CONTROL

41

FAX
CRYSTAL

PC
CRYSTAL

42

POSTSCRIPT
INTERPRETER

52

FONT
CARTRIDGE

51

MANUAL SPOT
SIZE SETTING

50

PC
PORT

20

Optional Buffer
Memory

70

DECOMPRESSION

28

FAX
DEMODULATOR

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FAX
PORT

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Fig. 1

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FAX
OR
COPY

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